

85529

Delaval, Jan

From: Roark, Jessica
Sent: Wednesday, January 29, 2003 11:56 AM
To: Delaval, Jan
Subject: 09/726,899

Jan,

Please update the PGPub and issued files for the following from 09/726,899:

SEQ ID NO:3
SEQ ID NO:3 as an oligo.

Results on paper please.

Thanks!

Jessica H. Roark

CM1 8A03
Mailbox 9E12
Art Unit 1644
703 605-1209

Jan Delaval
Reference Librarian
Biotechnology & Chemical Library
CM1 1E07 - 703-308-4498
jan.delaval@uspto.gov



WEST Search History

DATE: Wednesday, January 29, 2003

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
		result set	
<i>DB=USPT,PGPB,DWPI; THES=ASSIGNEE; PLUR=YES; OP=OR</i>			
L8	L6 and (antibody same (dehydrogenase or NADH or NDS-2))	351	L8
L7	L6 and (B15 or NDS-2)	4	L7
L6	L5 and (@RLAD<19970117 or @PD<19970117)	1253	L6
L5	L4 and antibody.bsum.	2311	L5
L4	(dehydrogenase or NADH).bsum.	6385	L4
L3	L2 and antibody	11086	L3
L2	dehydrogenase or NADH	21327	L2
<i>DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=OR</i>			
L1	6399345.pn. or 5814451.pn.	2	L1

END OF SEARCH HISTORY



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Om protein - protein search, using sw model

Run on: January 29, 2003, 13:30:03 ; Search time 11 Seconds
(without alignments)
236.639 Million cell updates/sec

Title: Perfect score: US-09-726-899-3

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 122226 seqs, 20178551 residues

Number of hits satisfying chosen parameters: 122226

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA: *

1: /cgn2_6/ptodata/1/pubbaa/US08_NEW_PUB.pep: *
2: /cgn2_6/ptodata/1/pubbaa/US09_NEW_PUB.pep: *
3: /cgn2_6/ptodata/1/pubbaa/US06_PUBCOMB.pep: *
4: /cgn2_6/ptodata/1/pubbaa/US07_PUBCOMB.pep: *
5: /cgn2_6/ptodata/1/pubbaa/US07_PUBCOMB.pep: *
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12: /cgn2_6/ptodata/1/pubbaa/US10_PUBCOMB.pep: *
13: /cgn2_6/ptodata/1/pubbaa/US60_NEW_PUB.pep: *
14: /cgn2_6/ptodata/1/pubbaa/US60_PUBCOMB.pep: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

RESULT 1
US-09-726-899-3
Sequence 3, Application US/09/726899
; Sequence 3, Application US/09/726899
; Patent No. US20010041356A1
; GENERAL INFORMATION:
; APPLICANT: Bandman, Olga
; APPLICANT: Goli, Surya K.
; APPLICANT: Hillman, Jennifer L.
; TITLE OF INVENTION: NOVEL SUBUNITS OF NADH
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/726,899
; FILING DATE:
; CLASSIFICATION:
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 08/7785, 065
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0187 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-55-0555
; TELEFAX: 415-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 129 amino acids
; TYPE: amino acid
; STRANDEDNESS: single

SUMMARIES

Result No.	Score	Match Length	DB ID	Description
1	678	100.0	129	US-09-726-899-3 Sequence 3, Appli
2	514	75.8	129	US-09-726-899-10 Sequence 10, Appli
3	76	115.2	16	US-09-925-299-1044 Sequence 104, Appli
4	70	101.3	337	US-09-814-77A-126 Sequence 126, Appli
5	70	101.3	340	US-09-814-77A-15 Sequence 15, Appli
6	70	101.3	384	US-09-814-77A-18 Sequence 18, Appli
7	70	101.3	384	US-09-814-77A-20 Sequence 20, Appli
8	70	101.3	470	US-09-814-77A-100 Sequence 100, Appli
9	69	101.2	656	US-09-931-795-4 Sequence 4, Appli
10	69	101.2	656	US-09-728-910-4 Sequence 4, Appli
11	69	101.2	660	US-09-931-795-2 Sequence 2, Appli
12	69	101.2	660	US-09-931-795-2 Sequence 2, Appli
13	68	101.0	724	US-10-068-059-12 Sequence 12, Appli
14	67.5	101.0	462	US-09-814-77A-99 Sequence 99, Appli
15	67	9.9	9	US-09-814-77A-99 Sequence 6, Appli
16	64.5	9.5	285	US-10-027-450-24 Sequence 24, Appli
17	64	9.4	305	US-10-028-072-264 Sequence 264, Appli
18	64	9.4	305	US-10-028-072-285 Sequence 285, Appli
19	63.5	9.4	416	US-10-114-893-198 Sequence 198, Appli

ALIGNMENTS

Sequence 22, Appli
Sequence 4, Appli
Sequence 4, Appli
Sequence 116, App
Sequence 58, Appli
Sequence 59, Appli
Sequence 176, App
Sequence 10, Appli
Sequence 188, App
Sequence 34, Appli
Sequence 55, Appli
Sequence 34, Appli
Sequence 107, App
Sequence 3, Appli
Sequence 3, Appli
Sequence 2, Appli
Sequence 59, Appli
Sequence 61, Appli
Sequence 63, Appli
Sequence 65, Appli
Sequence 67, Appli
Sequence 69, Appli
Sequence 85, Appli
Sequence 87, Appli
Sequence 2, Appli
Sequence 568, App

TOPOLOGY: linear
 IMMEDIATE SOURCE:
 LIBRARY: Consensus
 CLOBE: Consensus
 US-09-726-899-3

Query Match 100.0%; Score 678; DB 10; Length 129;
 Best Local Similarity 100.0%; Pred. No. 9.2e-76;
 Matches 129; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSFPKYKPSSLRPTLPEPLDPAEYNISPETRQAERLAIRQLKREYLLQYNDPNRGLI 60
 Db 1 MSFPKYKPSSLRPTLPEPLDPAEYNISPETRQAERLAIRQLKREYLLQYNDPNRGLI 60

Query Match 100.0%; Score 678; DB 10; Length 129;
 Best Local Similarity 100.0%; Pred. No. 9.2e-76;
 Matches 129; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSFPKYKPSSLRPTLPEPLDPAEYNISPETRQAERLAIRQLKREYLLQYNDPNRGLI 60
 Db 1 MSFPKYKPSSLRPTLPEPLDPAEYNISPETRQAERLAIRQLKREYLLQYNDPNRGLI 60

Query Match 100.0%; Score 678; DB 10; Length 129;
 Best Local Similarity 100.0%; Pred. No. 9.2e-76;
 Matches 129; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 MSFPKYKPSSLRPTLPEPLDPAEYNISPETRQAERLAIRQLKREYLLQYNDPNRGLI 60
 Db 1 MSFPKYKPSSLRPTLPEPLDPAEYNISPETRQAERLAIRQLKREYLLQYNDPNRGLI 60

RESULT 2
 US-09-726-899-10
 Sequence 10, Application US/09726899
 Patent No. US20010041356A1
 GENERAL INFORMATION:
 APPLICANT: Bardman, Olga
 APPLICANT: Goli, Surya K.
 APPLICANT: Hillman, Jennifer L.
 APPLICANT: Hillman, Jennifer L.
 NUMBER OF INVENTION: NOVEL SUBUNITS OF NADH DEHYDROGENASE
 NUMBER OF SEQUENCES: 12
 CORRESPONDENCE ADDRESS:
 ADDRESS: Incyte Pharmaceuticals, Inc.
 STREET: 317A Porter Drive
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94304
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Disquette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSeq for Windows version 2.0
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/726,899
 FILING DATE:
 CLASSIFICATION:
 RIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/785,065
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Billings, Lucy J.
 REGISTRATION NUMBER: 36,749
 REFERENCE/DOCKET NUMBER: PPF-0187 US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415-855-0555
 TELEFAX: 415-845-4166
 TELEX:
 INFORMATION FOR SEQ ID NO: 10:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 129 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 IMMEDIATE SOURCE:
 LIBRARY: GenBank
 CLOBE: 114
 US-09-726-899-10

Query Match 75.8%; Score 514; DB 10; Length 129;
 Best Local Similarity 73.6%; Pred. No. 1.1e-55;
 Matches 31; Conservative 21; Mismatches 43; Indels 54; Gaps 5;

Qy 4 PKVYKSSLRPTLPEPLDPAEYNISPETRQAERLAIRQLKREYLLQYNDPNRGLI 52
 Db 114 KLIQEGKLDRFPHLSY 129
 RESULT 3
 US-09-925-229-1044
 Sequence 1044, Application US/09925299
 Patent No. US20020055627A1
 GENERAL INFORMATION:
 APPLICANT: Rosen et al.
 TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
 FILE REFERENCE: PA102
 CURRENT APPLICATION NUMBER: US/09/925,299
 PRIOR APPLICATION NUMBER: PCT/US00/05883
 PRIOR FILING DATE: 2000-03-08
 PRIOR APPLICATION NUMBER: 60/124,270
 PRIOR FILING DATE: 1998-03-12
 NUMBER OF SEQ ID NOS: 1556
 SOFTWARE: Patentin Ver. 2.0
 SEQ ID NO 1044
 LENGTH: 16
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-925-229-1044

RESULT 4
 US-09-814-777A-126
 Sequence 126, Application US/09814777A
 Patent No. US20010142415A1
 GENERAL INFORMATION:
 APPLICANT: KOOPMAN, Peter Anthony
 APPLICANT: MUSCAT, George Eugene Orlando
 TITLE OF INVENTION: NOVEL POLYPEPTIDES AND POLYNUCLEOTIDES AND METHODS OF USING TH
 FILE REFERENCE: 21415-0003
 CURRENT APPLICATION NUMBER: US/09/814,777A
 CURRENT FILING DATE: 2001-03-23
 PRIOR APPLICATION NUMBER: AU P06457
 PRIOR FILING DATE: 2000-03-24
 NUMBER OF SEQ ID NOS: 128
 SOFTWARE: Patentin version 3.0
 SEQ ID NO 126
 LENGTH: 337
 TYPE: PRT
 ORGANISM: Human
 US-09-814-777A-126

Query Match 10.3%; Score 70; DB 10; Length 337;
 Best Local Similarity 20.8%; Pred. No. 0.99;
 Matches 31; Conservative 21; Mismatches 43; Indels 54; Gaps 5;

Qy 4 PKVYKSSLRPTLPEPLDPAEYNISPETRQAERLAIRQLKREYLLQYNDPNRGLI 52
 Db 114 KLIQEGKLDRFPHLSY 129

RESULT 5
US-09-814-77A-15
; OTHER INFORMATION: Exon 2
; US-09-814-77A-18
; Sequence 15, Application US/0981477A
; Patent No. US2002142415A1
; GENERAL INFORMATION:
; APPLICANT: KOOPMAN, Peter Anthony
; ORGANISM: MUSCAT, George Eugene Orlando
; TITLE OF INVENTION: NOVEL POLYPEPTIDES AND POLYNUCLEOTIDES AND METHODS OF USING THEM
; FILE REFERENCE: 21415-0003
; CURRENT APPLICATION NUMBER: US/09/814,77A
; CURRENT FILING DATE: 2001-03-23
; PRIORITY NUMBER: AU P06457
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: Patentin version 3.0
; SEQ ID NO: 15
; LENGTH: 340
; TYPE: PRT
; ORGANISM: Human
Query Match 10.3%; Score 70; DB 10; Length 384;
Best Local Similarity 20.8%; Pred. No. 1;
Matches 31; Conservative 21; Mismatches 43; Indels 54; Gaps 5;
Qy 4 PKKPSSLRLPTEIDPAEVNISPETR--RAQERLAIR-----AQLKREYLLQYN 52
Db 4 PASPPSPQRSPRSPRSPGRLSPAGRGRQADESRRPMPNAMFWAKDERKLLAQDN 63
Qy 53 D-----PNRGLIENPALLRWAYARTINVYPNFRTPPKNSLMGAL 92
Db 64 PDLHNAVLSKMLGKAWKELNAEAKRKPFPVEAERLVRQHLD--HPNYKVRP-----113
Qy 93 CGFGLIIFTYIILKTERDRKEKLIQEGKL 121
Db 114 -----RKKQARKARRLEPGLL 129
RESULT 6
US-09-814-77A-18
; Sequence 18, Application US/0981477A
; Patent No. US2002142415A1
; GENERAL INFORMATION:
; APPLICANT: KOOPMAN, Peter Anthony
; ORGANISM: MUSCAT, George Eugene Orlando
; TITLE OF INVENTION: NOVEL POLYPEPTIDES AND POLYNUCLEOTIDES AND METHODS OF USING THEM
; FILE REFERENCE: 21415-0003
; CURRENT APPLICATION NUMBER: US/09/814,77A
; CURRENT FILING DATE: 2001-03-23
; PRIORITY NUMBER: AU P06457
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: Patentin version 3.0
; SEQ ID NO: 18
; LENGTH: 384
; TYPE: PRT
; ORGANISM: Human
Query Match 10.3%; Score 70; DB 10; Length 384;
Best Local Similarity 20.8%; Pred. No. 1.2;
Matches 31; Conservative 21; Mismatches 43; Indels 54; Gaps 5;
Qy 4 PKKPSSLRLPTEIDPAEVNISPETR--RAQERLAIR-----AQLKREYLLQYN 52
Db 48 PASPPSPQRSPRSPRSPGRLSPAGRGRQADESRRPMPNAMFWAKDERKLLAQDN 107
Qy 53 D-----PNRGLIENPALLRWAYARTINVYPNFRTPPKNSLMGAL 92
Db 108 PDLHNAVLSKMLGKAWKELNAEAKRKPFPVEAERLVRQHLD--HPNYKVRP-----157
Qy 93 CGFGLIIFTYIILKTERDRKEKLIQEGKL 121
Db 158 -----RKKQARKARRLEPGLL 173
RESULT 7
US-09-814-77A-20
; Sequence 20, Application US/0981477A
; Patent No. US2002142415A1
; GENERAL INFORMATION:
; APPLICANT: KOOPMAN, Peter Anthony
; ORGANISM: MUSCAT, George Eugene Orlando
; TITLE OF INVENTION: NOVEL POLYPEPTIDES AND POLYNUCLEOTIDES AND METHODS OF USING THEM
; FILE REFERENCE: 21415-0003
; CURRENT APPLICATION NUMBER: US/09/814,77A
; CURRENT FILING DATE: 2001-03-23
; PRIORITY NUMBER: AU P06457
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: Patentin version 3.0
; SEQ ID NO: 20
; LENGTH: 384
; TYPE: PRT
; ORGANISM: Human
Query Match 10.3%; Score 70; DB 10; Length 384;
Best Local Similarity 20.8%; Pred. No. 1.2;
Matches 31; Conservative 21; Mismatches 43; Indels 54; Gaps 5;
Qy 4 PKKPSSLRLPTEIDPAEVNISPETR--RAQERLAIR-----AQLKREYLLQYN 52
Db 48 PASPPSPQRSPRSPRSPGRLSPAGRGRQADESRRPMPNAMFWAKDERKLLAQDN 107
Qy 53 D-----PNRGLIENPALLRWAYARTINVYPNFRTPPKNSLMGAL 92
Db 108 PDLHNAVLSKMLGKAWKELNAEAKRKPFPVEAERLVRQHLD--HPNYKVRP-----157
Qy 93 CGFGLIIFTYIILKTERDRKEKLIQEGKL 121
Db 158 -----RKKQARKARRLEPGLL 173
RESULT 8
US-09-814-77A-100
; Sequence 100, Application US/0981477A
; Patent No. US2002142415A1
; GENERAL INFORMATION:
; APPLICANT: KOOPMAN, Peter Anthony
; ORGANISM: MUSCAT, George Eugene Orlando
; TITLE OF INVENTION: NOVEL POLYPEPTIDES AND POLYNUCLEOTIDES AND METHODS OF USING THEM
; FILE REFERENCE: 21415-0003
; CURRENT APPLICATION NUMBER: US/09/814,77A
; CURRENT FILING DATE: 2001-03-23
; PRIORITY NUMBER: AU P06457
; PRIORITY NUMBER: AU P06457
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: Patentin version 3.0

RESULT 9
 ; SEQ ID NO: 100
 ; LENGTH: 470
 ; TYPE: PRT
 ; ORGANISM: Human
 ; US-09-814-771A-100

Query Match 10.3%; Score 70; DB 10; Length 470;
 Best Local Similarity 20.8%; Pred. No. 1.6;
 Matches 31; Conservative 21; Mismatches 43; Indels 54; Gaps 5;

Qy 4 PKVPPSSLRMLPETLDPARYNISETR--RAQARLAIR-----RQLKREYLQYN 52
 Db 4 PASPPSPQSPRSPRSPPEPGYGLSPAGRGREROAADSRRPMPNAFMVWAKDERRLLAQN 63

Qy 53 D-----PNRGLIENPALLRWAYARTINYVNPFRTPKNSLGMAL 92
 Db 64 PDLHNAVLSKMLGKAWKELNAEERPVVEAERLVRQHLD--HPNVYKPR----- 113

Qy 93 CGFGBPLIFTYVITKVERDEKRLQEGKL 121
 Db 114 -----RKQARKARRLEPGLL 129

RESULT 9
 ; SEQ ID NO: 931-795-4
 ; Sequence 4, Application US/09931795
 ; Publication No. US20020198211A1
 ; GENERAL INFORMATION:
 ; TITLE OF INVENTION: REDUCTASE AND USES THEREOF
 ; FILE REFERENCE: 04844/005003
 ; CURRENT APPLICATION NUMBER: US/09/931,795
 ; CURRENT FILING DATE: 2001-08-16
 ; PRIOR APPLICATION NUMBER: US 09/592,595
 ; PRIOR FILING DATE: 2000-06-12
 ; PRIOR APPLICATION NUMBER: US 09/258,928
 ; PRIOR FILING DATE: 1999-03-01
 ; PRIOR APPLICATION NUMBER: US 08/738,000
 ; PRIOR FILING DATE: 1997-02-12
 ; PRIOR APPLICATION NUMBER: PCT/CA95/00314
 ; PRIOR FILING DATE: 1995-05-25
 ; PRIOR APPLICATION NUMBER: GB 9410620.0
 ; PRIOR FILING DATE: 1994-03-26
 ; NUMBER OF SEQ ID NOS: 18
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 4
 ; LENGTH: 656
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-931-795-4

RESULT 11
 ; SEQ ID NO: 931-795-2
 ; Sequence 2, Application US/09931795
 ; Publication No. US20020198211A1
 ; GENERAL INFORMATION:
 ; APPLICANT: ROZEN, Rima
 ; TITLE OF INVENTION: CDNA FOR HUMAN METHYLENETETRAHYDROFOLATE REDUCTASE AND USES THEREOF
 ; FILE REFERENCE: 04844/005003
 ; CURRENT APPLICATION NUMBER: US/09/931,795
 ; CURRENT FILING DATE: 2001-08-16
 ; PRIOR APPLICATION NUMBER: US 09/592,595
 ; PRIOR FILING DATE: 2000-06-12
 ; PRIOR APPLICATION NUMBER: US 09/258,928
 ; PRIOR FILING DATE: 1999-03-01
 ; PRIOR APPLICATION NUMBER: US 08/738,000
 ; PRIOR FILING DATE: 1997-02-12
 ; PRIOR APPLICATION NUMBER: PCT/CA95/00314
 ; PRIOR FILING DATE: 1995-05-25
 ; PRIOR APPLICATION NUMBER: GB 9410620.0
 ; PRIOR FILING DATE: 1994-03-26
 ; NUMBER OF SEQ ID NOS: 18
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 2
 ; LENGTH: 660
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; US-09-931-795-2

Query Match 10.2%; Score 69; DB 9; Length 660;
 Best Local Similarity 28.7%; Pred. No. 3.3;
 Matches 29; Conservative 14; Mismatches 32; Indels 26; Gaps 6;

Qy 35 ERLATRAQKREYLQYNDPNRQLIENPALLRWAYARTINYVNPFRTPKNSLGMALCG 94
 Db 458 EPLAETSLIKEELRV--NRGIL-----TINSOPNINGKPSDD--PIVG 499

Qy 95 FGP---LIF--IYVLIKTERDRKRLQ---EGKDRPFL 127
 Db 500 WGPSSGGYVFQKAYLEFTSRETAELLQVKKYELRVNYHL 540

RESULT 10
 ; SEQ ID NO: 728-910-4
 ; Sequence 4, Application US/09728910
 ; Patent No. US20010025130A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Rozen, Rima
 ; APPLICANT: Saktion, Jaspreet
 ; TITLE OF INVENTION: CDNA FOR HUMAN METHYLENETETRAHYDROFOLATE

RESULT 12
 ; SEQ ID NO: 728-910-2
 ; Sequence 2, Application US/09728910
 ; Patent No. US20010025030A1

GENERAL INFORMATION:

APPLICANT: Rozen, Rima
 APPLICANT: Sekhon, Jaspreet
 TITLE OF INVENTION: CDNA FOR HUMAN METHYLENETETRAHYDROFOLATE REDUCTASE AND USES THEREOF
 TITLE OF INVENTION: REDUCTASE AND USES THEREOF
 FILE REFERENCE: 04844/006001
 CURRENT APPLICATION NUMBER: US/09/728, 910
 CURRENT FILING DATE: 2000-12-01
 PRIORITY NUMBER: US 09/258, 928
 PRIORITY FILING DATE: 1999-03-01
 NUMBER OF SEQ ID NOS: 15
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO 2
 LENGTH: 660
 TYPE: PRT
 ORGANISM: Homo sapiens
 US-09-728-910-2

Query Match 10.2%; Score 69; DB 10; Length 660;
 Best Local Similarity 28.7%; Pred. No. 3,3; Mismatches 14; Indels 26; Gaps 6;
 Matches 29; Conservative 14; Mismatches 32; Indels 26; Gaps 6;

QY 35 ERLAIAQLKREYLQNDPNRRGLENPALLRWAVARTINYPNFRTPKNSLMGALCG 94
 Db 462 EPLAAEISLKEELLRV---NQGIL-----TINSQPNINGKPSDD---PIVG 503

QY 95 FGP--LIF--IYIYIKTERDRKEKLIQ--EGKLDRTFHL 127
 Db 504 WGPSSGGVVFQAYLEFFTSRRETAEALLQVLKRYELVNYL 544

RESULT 13
 US-10-068-059-12
 Sequence 12, Application US/10068059
 Patent No. US20020155434A1

GENERAL INFORMATION:

APPLICANT: Mizzen, Lee A.
 APPLICANT: Hongwei, Liu
 APPLICANT: Siegel, Marvin
 TITLE OF INVENTION: HEPATITIS B VIRUS TREATMENT
 FILE REFERENCE: 12071-017002
 CURRENT APPLICATION NUMBER: US/10/068, 059
 CURRENT FILING DATE: 2002-06-04
 PRIORITY NUMBER: US 60/266, 733
 PRIORITY FILING DATE: 2001-02-05
 NUMBER OF SEQ ID NOS: 12
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO 12
 LENGTH: 724
 TYPE: PRT
 FEATURE: ORGANISM: Artificial Sequence
 FEATURE: OTHER INFORMATION: Fusion protein
 US-10-068-059-12

Query Match 10.0%; Score 68; DB 9; Length 724;
 Best Local Similarity 33.3%; Pred. No. 5; Mismatches 24; Conservative 7; Indels 23; Gaps 4;
 Matches 24; Conservative 7; Mismatches 23; Indels 18; Gaps 4;

QY 4 PKYKPPSS--LRLPLPEL-----DPAEYNISPETRRAQER---LAIRQLKRE 47
 Db 130 PAYRPPNAPILSTLPETVVRRDRGRSPRRTPSPRRSPRRSOSPRR -RRSOSREOCAK 187

QY 48 LLOQYNDPNRGL 59
 Db 188 TAYDEEARGL 199

RESULT 15
 US-10-068-059-6
 Sequence 6, Application US/10068059
 Patent No. US20020155434A1

GENERAL INFORMATION:

APPLICANT: Mizzen, Lee A.
 APPLICANT: Hongwei, Liu
 APPLICANT: Siegel, Marvin
 TITLE OF INVENTION: HEPATITIS B VIRUS TREATMENT
 FILE REFERENCE: 12071-017002
 CURRENT APPLICATION NUMBER: US/10/068, 059
 CURRENT FILING DATE: 2002-06-04
 PRIORITY NUMBER: US 60/266, 733
 PRIORITY FILING DATE: 2001-02-05
 NUMBER OF SEQ ID NOS: 12
 SOFTWARE: FastSEQ for Windows Version 4.0
 SEQ ID NO 6
 LENGTH: 746
 TYPE: PRT
 ORGANISM: Artificial Sequence
 FEATURE: OTHER INFORMATION: Fusion protein
 US-10-068-059-6

Query Match 9.9%; Score 67; DB 9; Length 746;
 Best Local Similarity 30.6%; Pred. No. 6,9; Mismatches 22; Conservative 9; Indels 16; Gaps 3;
 Matches 22; Conservative 9; Mismatches 25; Indels 16; Gaps 3;

QY 4 PKYKPPSS--LRLPLPEL-----DPAEYNISPETRRAQER---LAIRQLKRE 47
 Db 150 PAYRPPNAPILSTLPETVVRRDRGRSPRRTPSPRRSPRRSOSPRR -RRSOSREOCAK 209

QY 48 LLOQYNDPNRGL 59
 Db 210 TAYDEEARGL 221

RESULT 14

US-09-614-77A-99

Sequence 99, Application US/0981477A

Patent No. US2002014241A1

GENERAL INFORMATION:

APPLICANT: KOOPMAN, Peter Anthony
 APPLICANT: MUSCAT, George Eugene Orlando
 TITLE OF INVENTION: NOVEL POLYPEPTIDES AND POLYNUCLEOTIDES AND METHODS OF USING TH
 FILE REFERENCE: 21415-0003
 CURRENT APPLICATION NUMBER: US/09/814, 777A
 CURRENT FILING DATE: 2001-03-23
 PRIORITY NUMBER: AU P06457
 PRIORITY FILING DATE: 2000-03-24
 SOFTWARE: Patentin version 3.0
 SEQ ID NO 99
 LENGTH: 462
 TYPE: PRT
 ORGANISM: Human

US-09-814-77A-99

TYPE: PRT

ORGANISM: Human

SEQ ID NO 99

LENGTH: 462

TYPE: PRT

ORGANISM: Human

SEQ ID NO 99

LENGTH: 462

TYPE: PRT

ORGANISM: Human

SEQ ID NO 99

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TYPE: PRT

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SEQ ID NO 99

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SEQ ID NO 99

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ORGANISM: Human

SEQ ID NO 99

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TYPE: PRT

ORGANISM: Human

SEQ ID NO 99

LENGTH: 462

TYPE: PRT

ORGANISM: Human

SEQ ID NO 99

LENGTH: 462

TYPE: PRT

ORGANISM: Human



GenCore version 5.1.3
 Copyright (c) 1993 - 2003 Compugen Ltd.
 OM protein - protein search, using sw model.
 Run on : January 29, 2003, 13:29:43 ; Search time 15 Seconds
 (without alignments)
 253.037 Million cell updates/sec

Title: US-09-726-899-3
 Perfect score: 678
 Sequence: 1 MSFPKYKPSLRTLPLPDR... DRKEKLIQEGKLDRTFHLSY 129
 Scoring table: BLOSUM62
 Gapop 10.0 , Gapext 0.5

Searched: 262574 seqs, 2942922 residues

1 number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
 Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%,
 Maximum Match 100%

Database : Listing first 45 summaries

Issued_Patents_AA:*

1: /cgn2_6/ptodata/l/iaa/5A_COMB.pep:*

2: /cgn2_6/ptodata/l/iaa/5B_COMB.pep:*

3: /cgn2_6/ptodata/l/iaa/6A_COMB.pep:*

4: /cgn2_6/ptodata/l/iaa/6B_COMB.pep:*

5: /cgn2_6/ptodata/l/iaa/PCUTS_COMB.pep:*

6: /cgn2_6/ptodata/l/iaa/Backfile1.pep:*

pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query	Match Length	DB ID	Description
1	678	100.0	129	2	US-08-785-065-3
2	678	100.0	129	4	US-09-151-412-3
3	514	75.8	129	2	US-08-785-065-10
4	514	75.8	129	4	US-09-151-412-10
5	69.5	10.3	294	3	US-08-874-347-26
6	69.5	10.3	294	3	US-09-093-522-26
7	69	10.2	656	3	US-08-738-000-4
8	69	10.2	656	4	US-09-250-928-4
9	69	10.2	656	4	US-09-347-878-24
10	69	10.2	660	3	US-08-738-000-2
11	69	10.2	660	4	US-09-250-928-2
12	68	10.0	196	4	US-09-227-357-393
13	68	10.0	228	4	US-09-227-357-401
14	68	10.0	371	4	US-09-193-63A-295
15	68	10.0	864	4	US-09-604-978-11
16	64	9.5	285	4	US-09-173-300-24
17	64	9.4	152	1	US-07-644-372-2
18	64	9.4	305	2	US-08-946-528-1
19	63	9.3	3898	4	US-08-750-717-2
20	62.5	9.2	US-08-603-106-11		
21	62	9.1	214	4	US-09-587-066-6
22	61.5	9.1	60	1	US-08-370-225-32
23	61.5	9.1	60	5	PCT-US93-10059-32
24	61.5	9.1	353	1	US-08-176-520A-14
25	61.5	9.1	353	2	US-08-461-985-14
26	61.5	9.1	353	4	US-08-932-787B-19
27	9.1	353	4	US-08-932-787B-19	

ALIGNMENTS

RESULT 1
 US-08-785-065-3
 Sequence 3, Application US/08/785065
 Patent No. 5814451
 GENERAL INFORMATION:
 APPLICANT: Bandman, Olga
 APPLICANT: Golik, Surya K.
 APPLICANT: Hillman, Jennifer L.
 TITLE OF INVENTION: NOVEL SUBUNITS OF NADH DEHYDROGENASE
 NUMBER OF SEQUENCES: 12
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Incyte Pharmaceuticals, Inc.
 STREET: 3174 Porter Drive
 CITY: Palo Alto
 STATE: CA
 COUNTRY: USA
 ZIP: 94304

COMPUTER READABLE FORM:
 MEDIUM TYPE: Diskette
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: DOS
 SOFTWARE: FastSQL for Windows Version 2.0

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/785, 065
 FILING DATE: Herewith
 CLASSIFICATION: 424
 PRIORITY APPLICATION DATA:
 APPLICATION NUMBER:
 FILING DATE:
 ATTORNEY/AGENT INFORMATION:
 NAME: Billings, Lucy J.
 REGISTRATION NUMBER: 36,749
 REFERENCE/DOCKET NUMBER: PF-0187 US
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 415-855-5555
 TELEFAX: 415-845-4166
 TELE:
 INFORMATION FOR SEQ ID NO: 3:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 129 amino acids
 TYPE: amino acid
 STRANDEDNESS: Single
 TOPOLOGY: linear
 IMMEDIATE SOURCE:
 LIBRARY: Consensus
 CLONE: Consensus
 ; US-08-785-065-3

Query Match Best Local Similarity 100.0%; Score 678; DB 2; Length 129;

Matches 129; Conservative 0; Mismatches 0; Indels 0; Gaps 0; Db 61 ENPALLRWAYARTINVYPNFRPTPKNSLNGALCGFGLIFIVYIKTERDRKEKLIQEGK 120

Qy 1 MSFPKYKPSLRTLPETLDPAEYNISPETRRAQERLTRAQRLREYLLQYNDPNRGLI 60
Db 1 MSFPKYKPSLRTLPETLDPAEYNISPETRRAQERLTRAQRLREYLLQYNDPNRGLI 60

Qy 61 ENPALLRWAYARTINVYPNFRPTPKNSLNGALCGFGLIFIVYIKTERDRKEKLIQEGK 120
Db 61 ENPALLRWAYARTINVYPNFRPTPKNSLNGALCGFGLIFIVYIKTERDRKEKLIQEGK 120

Qy 121 LDRFHLSY 129
Db 121 LDRFHLSY 129

Qy 121 LDRFHLSY 129
Db 121 LDRFHLSY 129

RESULT 2
US-09-151-412-3
; Sequence 3, Application US/09151412
; GENERAL INFORMATION:
; Patent No. 6399345
; APPLICANT: Bandman, Olga
; APPLICANT: Goli, Surya K.
; APPLICANT: Hillman, Jennifer L.
; TITLE OF INVENTION: NOVEL SUBUNITS OF NADH DEHYDROGENASE
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASISEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/151,412
; FILING DATE:
; CLASSIFICATION:
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 08/785,065
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0187 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 129 amino acids
; STRANDEDNESS: single
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: Linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 114
; US-08-785-065-10

Query Match 75.8%; Score 514; DB 2; Length 129;
Best Local Similarity 73.6%; Pred. No. 7e-55;
Matches 95; Conservative 18; Mismatches 16; Indels 0; Gaps 0; Db 61 ENPALLRWAYARTINVYPNFRPTPKNSLNGALCGFGLIFIVYIKTERDRKEKLIQEGK 120

Qy 1 MSFPKYKPSLRTLPETLDPAEYNISPETRRAQERLTRAQRLREYLLQYNDPNRGLI 60
Db 1 MSFPKYKPSLRTLPETLDPAEYNISPETRRAQERLTRAQRLREYLLQYNDPNRGLI 60

Qy 121 LDRFHLSY 129
Db 121 LDRFHLSY 129

Qy 121 LDRFHLSY 129
Db 121 LDRFHLSY 129

Qy 61 ENPALLRWAYARTINVYPNFRPTPKNSLNGALCGFGLIFIVYIKTERDRKEKLIQEGK 120
Db 61 ENPALLRWAYARTINVYPNFRPTPKNSLNGALCGFGLIFIVYIKTERDRKEKLIQEGK 120

Qy 121 LDRFHLSY 129
Db 121 LDRFHLSY 129

RESULT 3
US-08-785-065-10
; Sequence 10, Application US/08785065
; GENERAL INFORMATION:
; Patent No. 5814451
; APPLICANT: Bandman, Olga
; APPLICANT: Hillman, Jennifer L.
; TITLE OF INVENTION: NOVEL SUBUNITS OF NADH DEHYDROGENASE
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASISEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/785,065
; FILING DATE: Hereworth
; CLASSIFICATION: 424
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0187 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; TELEX:
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 129 amino acids
; STRANDEDNESS: single
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: Linear
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 114
; US-08-785-065-10

Query Match 75.8%; Score 514; DB 2; Length 129;
Best Local Similarity 73.6%; Pred. No. 7e-55;
Matches 95; Conservative 18; Mismatches 16; Indels 0; Gaps 0; Db 61 ENPALLRWAYARTINVYPNFRPTPKNSLNGALCGFGLIFIVYIKTERDRKEKLIQEGK 120

Qy 1 MSFPKYKPSLRTLPETLDPAEYNISPETRRAQERLTRAQRLREYLLQYNDPNRGLI 60
Db 1 MSFPKYKPSLRTLPETLDPAEYNISPETRRAQERLTRAQRLREYLLQYNDPNRGLI 60

Qy 121 LDRFHLSY 129
Db 121 LDRFHLSY 129

Qy 121 LDRFHLSY 129
Db 121 LDRFHLSY 129

Qy 61 ENPALLRWAYARTINVYPNFRPTPKNSLNGALCGFGLIFIVYIKTERDRKEKLIQEGK 120
Db 61 ENPALLRWAYARTINVYPNFRPTPKNSLNGALCGFGLIFIVYIKTERDRKEKLIQEGK 120

Qy 121 LDRFHLSY 129
Db 121 LDRFHLSY 129

RESULT 4

US-09-151-412-10

; Sequence 10, Application US/09151412

; Patient No. 6399345

; GENERAL INFORMATION:

; APPLICANT: Bandman, Olga

; APPLICANT: Hillman, Jennifer L.

; TITLE OF INVENTION: NOVEL SUBUNITS OF NADH DEHYDROGENASE

; NUMBER OF SEQUENCES: 12

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Incyte Pharmaceuticals, Inc.

; STREET: 3174 Porter Drive

; CITY: Palo Alto

; STATE: CA

; COUNTRY: USA

; ZIP: 94304

; COMPUTER READABLE FORM:

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: FASTSEQ for Windows Version 2.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/151,412

; FILING DATE:

; CLASSIFICATION:

; PRIORITY APPLICATION DATA:

; APPLICATION NUMBER: 08/778,065

; FILING DATE:

; ATTORNEY/AGENT INFORMATION:

; NAME: Ellinger, Mark S.

; REGISTRATION NUMBER: 34,812

; REFERENCE/DOCKET NUMBER: 07039/055001

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 612-335-5070

; TELEFAX: 612-288-9696

; TELETYPE:

; INFORMATION FOR SEQ ID NO: 26:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 294 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; IMMEDIATE SOURCE:

; LIBRARY: GenBank

; CLONE: 114

; US-09-151-412-10

; INFORMATION FOR SEQ ID NO: 10:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 129 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; IMMEDIATE SOURCE:

; LIBRARY: GenBank

; CLONE: 114

; US-09-151-412-10

; RESULT 5

; US-08-874-347-26

; Sequence 9, Application US/08874347

; Patient No. 5063741

; GENERAL INFORMATION:

; APPLICANT: Limper, Andrew H.

; APPLICANT: Leof, Edward B.

; APPLICANT: Thomas, Charles F.

; APPLICANT: Gustafson, Michael P.

; TITLE OF INVENTION: CDC2 PROTEIN KINASE FROM PNEUMOCYSTIS

; TITLE OF INVENTION: CARRIN

; NUMBER OF SEQUENCES: 26

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Fish & Richardson P.C., P.A.

; STREET: 50 South Sixth Street, Suite 3300

; CITY: Minneapolis

; STATE: MN

; COUNTRY: USA

; ZIP: 55402

; COMPUTER READABLE FORM:

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: DOS

; SOFTWARE: FASTSEQ for Windows Version 2.0

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/093,522

; FILING DATE: 08-JUN-1998

; CLASSIFICATION:

RESULT 1
US-08-738-000-2
Sequence 2, Application US/08738000
Patient No. 6074821
GENERAL INFORMATION:
TITLE OF INVENTION: cDNA FOR HUMAN METHYLENETETRAHYDROFOLATE
TITLE OF INVENTION: REDUCTASE
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: KLAUBER & JACKSON
STREET: Continental Plaza - 411 Hackensack Avenue
CITY: Hackensack
STATE: New Jersey
COUNTRY: U.S.A

Query Match						Score	DB	Length
Best Local Similarity	10.2%	Score	69	DB	4			
Matches	29	Similarity	28.7%	Pred.	No.	6	7	
		Conservative	14	Mismatches	32	Indels	26	Gaps
Qy	35	ERLAIRAKLREYLLOQNDPNRGLIENPALLRWAYAPINTVNPFRTPKNSLMLGALCG	94					
Db	462	EPLAETSLKLRLV--NNGQL-----TINSQPNINGKPSD--PIVG	503					
Qy	95	FGP--LIF--IYIITERDRKEKLIQ--EGKLDRFHL	127					
Db	504	WPGSGGVVFQKAYLEFT'SRTEAALQVVKYELRNHYHL	544					

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; Query "match" 10.2%; Score 0.9; US 3; Length 66;
; Best Local Similarity 28.7%; Preo. No. 6,7-1; Length 66;
; Matches 29; Conservative 14; Mismatches 32; Indels 26; Gaps 0
; Result 11
; US-09-258-928-2
; Sequence 2, Application US/09258928
; Patent No. 6218120
; GENERAL INFORMATION:
; APPLICANT: ROZEN, Rima
; APPLICANT: GOYETTE, Philippe
; TITLE OF INVENTION: CDNA FOR HUMAN METHYLENETETRAHYDROFOLATE
; TITLE OF INVENTION: REDUCTASE
; FILE REFERENCE: 04844-005002
; CURRENT APPLICATION NUMBER: US/09/258,928
; CURRENT FILING DATE: 1999-03-01
; PRIOR APPLICATION NUMBER: 08/738,000
; PRIOR FILING DATE: 1997-02-12
; PRIOR APPLICATION NUMBER: GB 9410622.0

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EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/051, 931
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/051, 932
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/051, 916
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/051, 930
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/051, 918
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/051, 920
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/052, 733
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/052, 795
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/051, 919
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/051, 928
EARLIER FILING DATE: 1997-07-08
EARLIER APPLICATION NUMBER: 60/055, 722
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055, 723
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055, 948
EARLIER FILING DATE: 1997-08-18
EARLIER APPLICATION NUMBER: 60/055, 949

QY 111 RKEKLIQEGKLDPFTFHLSY 129
 : ||| : | : | |
 Sequence 295, Application US/09199637A.
 Db 162 KNEKLEGDAALNRLFQOQY 180

RESULT 14

US-09-199-637A-295
 Sequence 295, Application US/09199637A.
 Patent No. 6355411

GENERAL INFORMATION:

APPLICANT: Ausubel, Frederick

APPLICANT: Goodman, Howard M.

APPLICANT: Rihme, Laurence G.

APPLICANT: Matajan-Miklos, Shalina

APPLICANT: Tan, Man-Wah

APPLICANT: Cao, Hui

APPLICANT: Drenkard, Eliana

APPLICANT: Tsongalis, John

TITLE OF INVENTION: VIRULENCE-ASSOCIATED NUCLEIC ACID

TITLE OF INVENTION: SEQUENCES AND USES THEREOF

SEQUENCE CHARACTERISTICS:

SEQUENCE ID NO: 11:

SEQUENCE DESCRIPTION: SEQ ID NO: 11: US-09-604-978-11

Query Match 10.0%; Score 68; DB 4; Length 864;

Best Local Similarity 30.3%; Pred. No. 4.1; Mismatches 7;

Matches 30; Conservative 11; Indels 26; Gaps 6;

Matches 33; Conservative 17; Mismatches 7; Indels 42; Gaps 7;

QY 7 KPSSTRLPFLDPREYNNISPETRRAQEAIRAIQLKREYVLLQYNDPNRGLIENPALL 66
 : ||| : | | | : | | | : | | | : | | | : | | | : | | | : | | | : | | | : | | |
 Db 66 KPCKEKPLSGLQPKE-----GANKEVCLOSQSKDKLIA---TPGGRGI-KPFLE 110QY 67 RW-----AYARTINVVPNFRPTPKNSLMLGALCGFGPLIIFYY---IIK 106
 : | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | |
 Db 111 RFGERQEHKSKEPSRCRAFRTPNTPNKAQERDFKONC---FIYYPNLQAQLK 164QY 107 TERDRKEKLIQEGKLDR 123
 : ||| : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | |
 Db 165 QERE-KELACLRGRFDK 180

Search completed: January 29, 2003, 13:33:38
 Job time: 17 secs

Query Match 10.0%; Score 68; DB 4; Length 371;
 Best Local Similarity 30.3%; Pred. No. 4.1; Mismatches 7;
 Matches 30; Conservative 11; Indels 26; Gaps 6;

Matches 33; Conservative 17; Mismatches 7; Indels 42; Gaps 7;

QY 1 M5FPPKYKQSSLRLT-----PETLDPAEYNISPETRRAQEAIRAIQLKREYVLLQYND 53
 : | : | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 Db 83 MTRPSCUPSSLRPAFRRRSSNSPRNLA-----ISAPMSRA-SRRRLSLR----- 125

QY 54 PNRGRLIENPALLRWAAYARTINVVPNFRPTPKNSLMLGALCGFGPLIIFYY---IIK 106
 : | : | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
 Db 126 PSG---TSPLMMRWARPDSTMVL---PTPGSPISTGL 156

RESULT 15 US-09-604-978-11

Query Match 10.0%; Score 68; DB 4; Length 371;

Best Local Similarity 30.3%; Pred. No. 4.1; Mismatches 7;

Matches 30; Conservative 11; Indels 26; Gaps 6;

Matches 33; Conservative 17; Mismatches 7; Indels 42; Gaps 7;

QY 111 RKEKLIQEGKLDPFTFHLSY 129
 : ||| : | : | |
 Sequence 295, Application US/0919964978.
 Db 162 KNEKLEGDAALNRLFQOQY 180

GENERAL INFORMATION:

APPLICANT: Einat, Paz

APPLICANT: Skaliter, Rami

TITLE OF INVENTION: HYPOXIA-REGULATED GENES

NUMBER OF SEQUENCES: 11

CORRESPONDENCE ADDRESS:

ADDRESSEE: KOHN & ASSOCIATES

STREET: 30500 NO. 6455674thwestern Hwy., Suite 401

CITY: Farmington Hills

COUNTRY: Michigan

COUNTRY: U.S.

ZIP: 48334

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/604-978

FILING DATE: 28-Jun-2000

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 09/138,112

FILING DATE: <Unknown>
 ATTORNEY/AGENT INFORMATION:
 NAME: Kohn, Kenneth I.
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 REFERENCE/DOCKET NUMBER: 0168.00034

TELECOMMUNICATION INFORMATION:
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INFORMATION FOR SEQ ID NO: 11:
 LENGTH: 864 amino acids

SEQUENCE CHARACTERISTICS:
 LENGTH: 864 amino acids

SEQUENCE DESCRIPTION: SEQ ID NO: 11:
 US-09-604-978-11

Query Match 10.0%; Score 68; DB 4; Length 864;
 Best Local Similarity 30.3%; Pred. No. 4.1; Mismatches 7;

Matches 33; Conservative 17; Mismatches 7; Indels 42; Gaps 7;

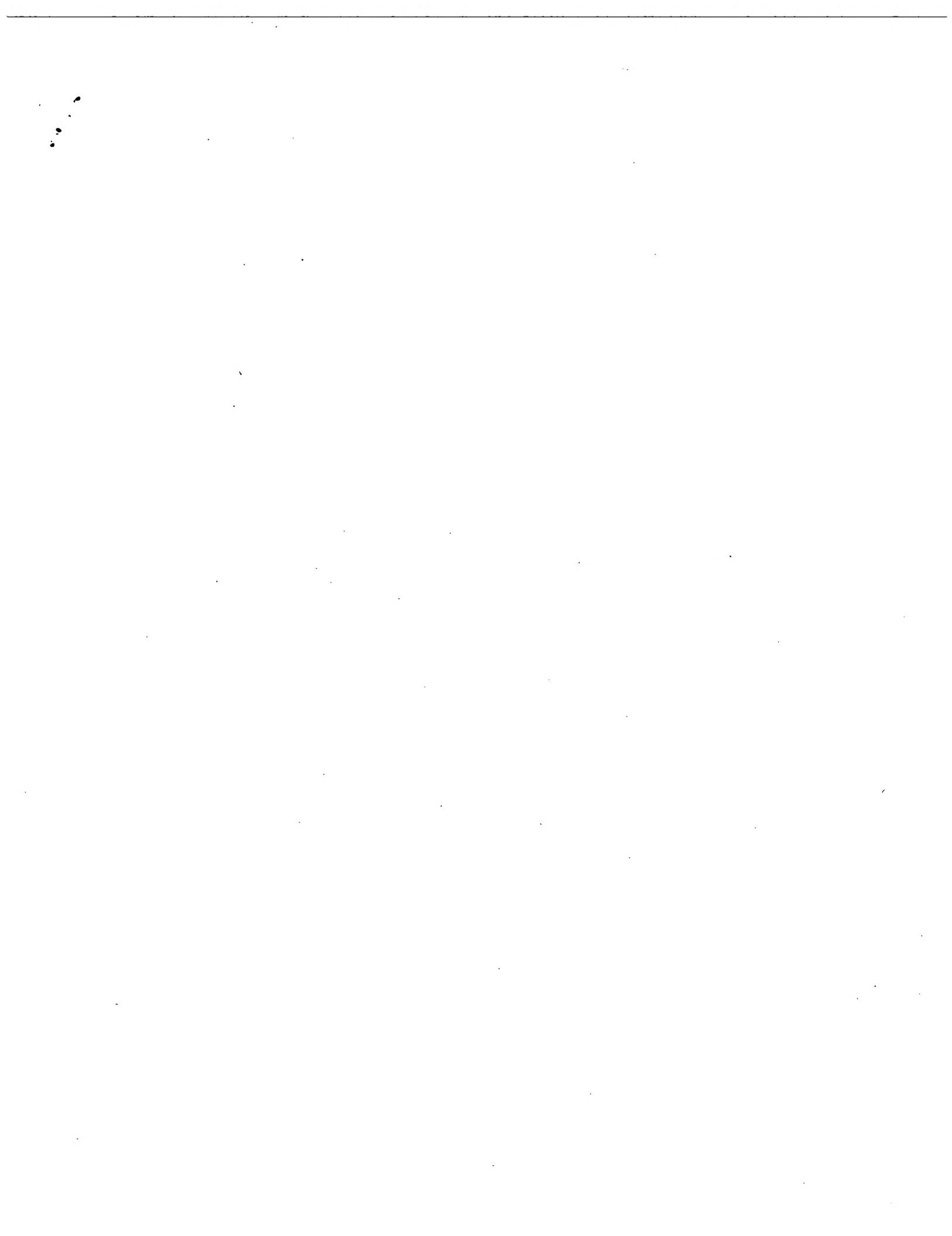
QY 7 KPSSTRLPFLDPREYNNISPETRRAQEAIRAIQLKREYVLLQYNDPNRGLIENPALL 66
 : ||| : | | | : | | | : | | | : | | | : | | | : | | | : | | | : | | | : | | |
 Db 66 KPCKEKPLSGLQPKE-----GANKEVCLOSQSKDKLIA---TPGGRGI-KPFLE 110

QY 67 RW-----AYARTINVVPNFRPTPKNSLMLGALCGFGPLIIFYY---IIK 106
 : | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | | : | |
 Db 111 RFGERQEHKSKEPSRCRAFRTPNTPNKAQERDFKONC---FIYYPNLQAQLK 164

QY 107 TERDRKEKLIQEGKLDR 123
 : ||| : | | : | | : | | : | | : | | : | | : | | : | | : | | : | |
 Db 165 QERE-KELACLRGRFDK 180

Search completed: January 29, 2003, 13:33:38

Job time: 17 secs



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End of Result Set

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L1: Entry 2 of 2

File: USPT

Sep 29, 1998

US-PAT-NO: 5814451

DOCUMENT-IDENTIFIER: US 5814451 A

TITLE: Subunits of NADH dehydrogenase

DATE-ISSUED: September 29, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bandman; Olga	Mountain View	CA		
Goli; Surya K.	Sunnyvale	CA		
Hillman; Jennifer L.	San Jose	CA		

US-CL-CURRENT: 435/6; 475/191, 536/23.2

CLAIMS:

What is claimed is:

1. An isolated and purified polynucleotide sequence encoding a NADH dehydrogenase subunit of SEQ ID NO:1.
2. A polynucleotide sequence which hybridizes under stringent conditions to the polynucleotide sequence of claim 1.
3. A hybridization probe comprising the polynucleotide sequence of claim 1.
4. An isolated and purified polynucleotide sequence comprising SEQ ID NO:2 or variants thereof encoding an active NADH dehydrogenase.
5. A polynucleotide sequence which is complementary to the polynucleotide sequence of claim 1 or variants thereof encoding an active NADH dehydrogenase.
6. A hybridization probe comprising the polynucleotide sequence of claim 5.
7. An expression vector containing the polynucleotide sequence of claim 1.
8. A host cell containing the vector of claim 7.
9. A method for producing a polypeptide comprising the amino acid sequence of SEQ ID NO:1 the method comprising the steps of:
 - a) culturing the host cell of claim 8 under conditions suitable for the expression of the polypeptide; and
 - b) recovering the polypeptide from the host cell culture.
10. A method for detection of polynucleotides encoding a NADH dehydrogenase subunit in a biological sample comprising the steps of:
 - a) hybridizing the polynucleotide of claim 5 to nucleic acid material of a biological sample, thereby forming a hybridization complex; and



b) detecting said hybridization complex, wherein the presence of said complex correlates with the presence of a polynucleotide encoding said NADH dehydrogenase subunit in said biological sample.



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L1: Entry 1 of 2

File: USPT

Jun 4, 2002

US-PAT-NO: 6399345

DOCUMENT-IDENTIFIER: US 6399345 B2

TITLE: Subunits of NADH dehydrogenase

DATE-ISSUED: June 4, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bandman; Olga	Mountain View	CA		
Goli; Surya K.	Sunnyvale	CA		
Hillman; Jennifer L.	San Jose	CA		

US-CL-CURRENT: 435/191; 435/25

CLAIMS:

What is claimed is:

1. An isolated polypeptide selected from the group consisting of:
 - a recombinant human polypeptide comprising the amino acid sequence of SEQ ID NO:1, said recombinant polypeptide being free of other human amino acid sequences, and
 - b) a recombinant polypeptide comprising a naturally occurring human amino acid sequence at least 90% identical to the amino acid sequence of SEQ ID NO:1, said recombinant polypeptide being free of other human amino acid sequences.
2. An isolated polypeptide of claim 1, comprising the amino acid sequence of SEQ ID NO:1.
3. An isolated polypeptide of claim 1, comprising a naturally occurring human amino acid sequence at least 90% identical to the amino acid sequence of SEQ ID NO:1, said polypeptide being free of other human amino acid sequences.
4. An isolated polypeptide of claim 1, comprising a naturally occurring human amino acid sequence at least 95% identical to the amino acid sequence of SEQ ID NO:1, said polypeptide being free of other human amino acid sequences.
5. A composition comprising a polypeptide of claim 1 and a pharmaceutically acceptable excipient.
6. A composition comprising a polypeptide of claim 2 and a pharmaceutically acceptable excipient.
7. A composition comprising a polypeptide of claim 3 and a pharmaceutically acceptable excipient.
8. A composition comprising a polypeptide of claim 4 and a pharmaceutically acceptable excipient.
9. A method for producing a polypeptide of claim 1, the method comprising:

a) culturing a cell under conditions suitable for expression of the polypeptide, wherein said cell is transformed with a recombinant polynucleotide, and said recombinant polynucleotide comprises a promoter sequence operably linked to a polynucleotide encoding the polypeptide of claim 1, and

b) recovering the polypeptide so expressed.

10. A method for screening a compound for effectiveness as an agonist of a polypeptide of claim 1, the method comprising:

a) exposing a sample comprising a polypeptide of claim 1 to a compound, and
b) detecting agonist activity in the sample.

11. A method for screening a compound for effectiveness as an antagonist of a polypeptide of claim 1, the method comprising:

a) exposing a sample comprising a polypeptide of claim 1 to a compound, and
b) detecting antagonist activity in the sample.

12. A method of screening for a compound that specifically binds to the polypeptide of claim 1, said method comprising the steps of:

a) combining the polypeptide of claim 1 with at least one test compound under suitable conditions, and
b) detecting binding of the polypeptide of claim 1 to the test compound, thereby identifying a compound that specifically binds to the polypeptide of claim 1.

13. A method of screening for a compound that modulates the activity of the polypeptide of claim 1, said method comprising:

a) combining the polypeptide of claim 1 with at least one test compound under conditions permissive for the activity of the polypeptide of claim 1,
b) assessing the activity of the polypeptide of claim 1 in the presence of the test compound, and
c) comparing the activity of the polypeptide of claim 1 in the presence of the test compound with the activity of the polypeptide of claim 1 in the absence of the test compound, wherein a change in the activity of the polypeptide of claim 1 in the presence of the test compound is indicative of a compound that modulates the activity of the polypeptide of claim 1.

